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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
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AROMAS, CA 95004			ART UNIT	PAPER NUMBER	
			2644		
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Please find below and/or attached an Office communication concerning this application or proceeding.

am	Application No.	Applicant(s)
Oh -	09/778,202	CRAIG, DAVID IAIN
Office Action Summary	Examiner	Art Unit
	Corey P Chau	2644
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tin y within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from b, cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on <u>09/1</u> This action is FINAL . 2b)⊠ This Since this application is in condition for allowa closed in accordance with the practice under B	s action is non-final. nce except for formal matters, pro	•
Disposition of Claims		
4) ⊠ Claim(s) 1-18 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1-18 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or	wn from consideration.	
Application Papers		
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine 11.	epted or b) objected to by the I drawing(s) be held in abeyance. See tion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati nty documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage
Attachment(s)		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	

Application/Control Number: 09/778,202 Page 2

Art Unit: 2644

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Japanese Patent Publication No. 07-2002587 to Hiroshi.
- 3. Regarding Claim 1, Hiroshi discloses a diagnostic tool for an audio mixing system (Fig. 1), comprising: an information source storing at least interconnection characteristics and apparatus settings in the system, relative to channel inputs (28); a search function (i.e. retrieval means) accessible by a user (26), which upon initiation polls the information source (Fig. 2; Detail Description, paragraphs 0018-0019 and 0028); and search criteria associated with the search function for establishing specific information to be matched in a search (Detail Description, paragraphs 0018-0019 and 0028); characterized in that initiation of the search function causes the search function to poll the information source, and to return channel numbers for those channels that match the search criteria (Detail Description, paragraphs 0018-0019 and 0028-0029).
- 4. Regarding Claim 2, Hiroshi discloses monitoring interfaces to individual ones of channels in the audio mixing system, wherein the search function samples real-time

Page 3

Art Unit: 2644

characteristics at said interfaces in individual channels comparing the samples with search criteria (Figs. 2-6).

- 5. Regarding Claim 3, Hiroshi discloses the monitoring interfaces include at least one audio monitoring interface, wherein the search function samples real-time audio in a channel for comparison to an audio characteristic specified in search criteria (Figs. 2-6).
- 6. Regarding Claim 4, Hiroshi discloses a facility for saving instances of the search function each with a name related to specific criteria attached, and for selecting and initiating individual ones of the named search functions to perform the associated search and to return channels found in the search (Fig. 3).
- 7. Regarding Claim 5, Hiroshi discloses the facility for selecting and initiating comprises a display apparatus for displaying individual ones of the search functions by name and selection inputs for selecting individual ones of the displayed search functions, to initiate the associated search (Fig. 3).
- 8. Regarding Claim 6, Hiroshi discloses a function for assigning channels returned by a search to specific ones of control strips of the mixer desk (Fig. 10; Detail Description, paragraph 0004).
- 9. Regarding Claim 7, Hiroshi discloses an audio mixing system (Fig. 1; Detail Description, paragraph 0001), comprising: a mixer desk (20) including a user interface and control apparatus (Fig. 1); a mixing engine coupled to the mixer desk for mixing audio on input channels and providing an audio output (Fig. 1); computerized controls for managing activities of the mixing system (Fig. 1); and a diagnostic tool including an

Art Unit: 2644

information source storing at least interconnection characteristics and apparatus settings in the system (28), relative to channel inputs, a search function (i.e. retrieval means) accessible by a user (26), which upon initiation polls the information source (Fig. 2; Detail Description, paragraphs 0018-0019 and 0028), and search criteria associated with the search function for establishing specific information to be matched in a search (Detail Description, paragraphs 0018-0019 and 0028); characterized in that initiation of the search function causes the search function to poll the information source, and to return channel numbers for those channels that match the search criteria (Detail Description, paragraphs 0018-0019 and 0028-0029).

Page 4

- 10. Claim 8 is essentially similar to Claim 2 and is rejected for the reasons stated above apropos to Claim 2.
- 11. Claim 9 is essentially similar to Claim 3 and is rejected for the reasons stated above apropos to Claim 3.
- 12. Claim 10 is essentially similar to Claim 4 and is rejected for the reasons stated above apropos to Claim 4.
- Claim 11 is essentially similar to Claim 5 and is rejected for the reasons stated 13. above apropos to Claim 5.
- 14. Claim 12 is essentially similar to Claim 6 and is rejected for the reasons stated above apropos to Claim 6.
- 15. Claim 13 is essentially similar to Claim 7 and is rejected for the reasons stated above apropos to Claim 7.

Application/Control Number: 09/778,202 Page 5

Art Unit: 2644

16. Claim 14 is essentially similar to Claim 2 and is rejected for the reasons stated above apropos to Claim 2.

- 17. Claim 15 is essentially similar to Claim 3 and is rejected for the reasons stated above apropos to Claim 3.
- 18. Claim 16 is essentially similar to Claim 4 and is rejected for the reasons stated above apropos to Claim 4.
- 19. Claim 17 is essentially similar to Claim 5 and is rejected for the reasons stated above apropos to Claim 5.
- 20. Claim 18 is essentially similar to Claim 6 and is rejected for the reasons stated above apropos to Claim 6.
- 21. Claims 1-18 are rejected under 35 U.S.C. 102(a) as being anticipated by Japanese Patent Publication No. 2000-209037 to Akinobu.
- 22. Regarding Claim 1, Akinobu discloses a diagnostic tool for an audio mixing system (Fig. 2), comprising: an information source storing at least interconnection characteristics and apparatus settings in the system, relative to channel inputs (Figs. 3-5; Detail Description, paragraphs 0038-0042); a search function accessible by a user (176)(Figs. 3-5) which upon initiation polls the information source; and search criteria associated with the search function for establishing specific information to be matched in a search (Detail Description, paragraphs 0044-0048); characterized in that initiation of the search function causes the search function to poll the information source, and to

return channel numbers for those channels that match the search criteria (Figs. 3-5; Detail Description, paragraph 0048).

- 23. Regarding Claim 2, Akinobu monitoring interfaces to individual ones of channels in the audio mixing system, wherein the search function samples real-time characteristics at said interfaces in individual channels comparing the samples with search criteria (Figs. 3-5).
- 24. Regarding Claim 3, Akinobu discloses the monitoring interfaces include at least one audio monitoring interface, wherein the search function samples real-time audio in a channel for comparison to an audio characteristic specified in search criteria (Figs. 3-5).
- 25. Regarding Claim 4, Akinobu discloses a facility for saving instances of the search function each with a name related to specific criteria attached, and for selecting and initiating individual ones of the named search functions to perform the associated search and to return channels found in the search (Figs 3-5).
- 26. Regarding Claim 5, Akinobu discloses the facility for selecting and initiating comprises a display apparatus for displaying individual ones of the search functions by name and selection inputs for selecting individual ones of the displayed search functions, to initiate the associated search (Figs. 3-5; Detail Description, paragraph 0044-0048).
- 27. Regarding Claim 6, Akinobu discloses a function for assigning channels returned by a search to specific ones of control strips of the mixer desk (Figs. 3-5; Detail Description, paragraph 0049).

Application/Control Number: 09/778,202

Art Unit: 2644

Page 7

- 28. Regarding Claim 7, Akinobu discloses an audio mixing system (Fig. 1), comprising: a mixer desk including a user interface and control apparatus (Fig. 1; Detail Description, paragraph 0037-0041); a mixing engine coupled to the mixer desk for mixing audio on input channels and providing an audio output (Figs. 1 and 2); computerized controls for managing activities of the mixing system (Fig. 1); and a diagnostic tool including an information source storing at least interconnection characteristics and apparatus settings in the system, relative to channel inputs (Figs. 3-5; Detail Description, paragraphs 0038-0042), a search function accessible by a user (176)(Figs. 3-5), which upon initiation polls the information source, and search criteria associated with the search function for establishing specific information to be matched in a search (Detail Description, paragraphs 0044-0048); characterized in that initiation of the search function causes the search function to poll the information source, and to return channel numbers for those channels that match the search criteria (Figs. 3-5; Detail Description, paragraph 0048).
- 29. Claim 8 is essentially similar to Claim 2 and is rejected for the reasons stated above apropos to Claim 2.
- 30. Claim 9 is essentially similar to Claim 3 and is rejected for the reasons stated above apropos to Claim 3.
- 31. Claim 10 is essentially similar to Claim 4 and is rejected for the reasons stated above apropos to Claim 4.
- 32. Claim 11 is essentially similar to Claim 5 and is rejected for the reasons stated above apropos to Claim 5.

Application/Control Number: 09/778,202 Page 8

Art Unit: 2644

33. Claim 12 is essentially similar to Claim 6 and is rejected for the reasons stated above apropos to Claim 6.

- 34. Claim 13 is essentially similar to Claim 7 and is rejected for the reasons stated above apropos to Claim 7.
- 35. Claim 14 is essentially similar to Claim 2 and is rejected for the reasons stated above apropos to Claim 2.
- 36. Claim 15 is essentially similar to Claim 3 and is rejected for the reasons stated above apropos to Claim 3.
- 37. Claim 16 is essentially similar to Claim 4 and is rejected for the reasons stated above apropos to Claim 4.
- 38. Claim 17 is essentially similar to Claim 5 and is rejected for the reasons stated above apropos to Claim 5.
- 39. Claim 18 is essentially similar to Claim 6 and is rejected for the reasons stated above apropos to Claim 6.

Response to Arguments

40. Applicant's arguments with respect to claims 1-18 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

41. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Corey P Chau whose telephone number is (703)305-0683. The examiner can normally be reached on Monday - Friday 9:00 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tran Sinh can be reached on (703)305-4040. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Feb. 22, 05

PRIMARY EXAMINER